

CLAIMS

1. A feed or food product composition to be delivered to the digestive tract of a mammal, which comprises a mixture of bovine colostrum, comprising bioactive components, and organic particulate matter having a size between 0.3 and 7 mm in diameter.

2. The feed or food product composition as in claim 1, wherein the content of said organic particulate matter is between 40 and 80 wt% on dry weight basis.

3. The feed or food product composition as in claim 1, wherein said organic particulate matter is particulate insoluble dietary fibers.

4. The feed or food product composition as in claim 3, wherein said particulate insoluble dietary fibers are particulate fibers of cellulose, rice, maize, or soy, or a mixture thereof.

5. The feed or food product composition as in claim 3, wherein said particulate insoluble dietary fibers have a water retaining capacity of up to 10 times their dry weight.

6. The feed or food product composition as in claim 1, which has a bound water content of less than 5 wt%.

7. The feed or food product composition as in claim 1, which has a free water content of not more than 10 times its dry weight.

8. The feed or food product composition as in claim 7, wherein the pH of said free water is between 5 and 7.

9. The feed or food product composition as in claim 1, which further comprises additional pre-separated colostrum fat.

10. The feed or food product composition as in claim 1, which further comprises vegetable fat.

11. The feed or food product composition as in claim 10, wherein said vegetable fat is rice, soy, rape, palm, or maize fat, or a mixture thereof.

12. The feed or food product composition as in claim 1, which has a fat content between 5 and 20 wt% on dry weight basis.

13. The feed or food product composition as in claim 1, wherein said bioactive bovine colostrum components are peptides, growth factors, immunoglobulins, lactoferrin, or lactoperoxidase.

14. The feed or food product composition as in claim 13, wherein said bioactive bovine colostrum components comprise 10-40 wt% bovine colostrum powder of 20-25 wt% IgG₁ on dry weight basis.

15. The feed or food product composition as in claim 1, which further comprises nutritionally effective amounts of non-colostrum proteins, carbohydrates, vitamins and minerals.

16. The feed or food product composition as in claim 15, wherein said non-colostrum proteins are whey proteins from bovine milk.

17. The feed or food product composition as in claim 15, wherein said non-colostrum carbohydrates are plant polysaccharides and low molecular weight carbohydrates.